

TWO NEW CORDYLURID FLIES FROM THE PACIFIC COAST

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The type specimens of the species described in this paper are deposited in the collection of the California Academy of Sciences.

***Cordylura luteola* Malloch, new species**

Female. Glossy yellow. Head yellow, a spot surrounding ocelli, and base of the arista black. Dorsum of thorax with faint indications of a narrow brown vitta along each line of dorsocentral bristles. Abdomen with a narrow black band on posterior margin of each tergite up to fifth, the apical segments entirely black. Legs yellow, apices of mid and hind femora, the greater portion of mid tibiae and all of hind tibiae in type black; in paratype only the apices of hind femora and the greater portion of hind tibiae blackened. Wings with the outer cross-vein and the apices broadly infuscated. Halteres yellow. Bristles and hairs black.

Orbits each with 5 or 6 bristles and 3 hairs; arista thickened at base, plumose; proboscis thick; margin of cheek with one bristle below vibrissa, and another very weak one near posterior margin. Anterior intra-alar bristle absent; presutural acrostichals 2-rowed; stigmal and propleural bristles present; scutellum with two strong bristles and two very weak apical hairs. Fore femur without anteroventral bristles; mid femur with two or three widely spaced anterodorsal bristles; mid tibia with a strong ventral, one anterodorsal, and two posterodorsal bristles; hind femur with 1-3 anteroventral bristles near apex; hind tibia with one anteroventral, three anterodorsal and three posterodorsal bristles. First vein nearly bare at apex.

Length, 7 mm.

Type, female, No. 1583, Hood River, Oregon, July 28, 1917 (F. R. Cole). Paratypes, Parkdale, Oregon, September 5; Dewatto, Washington, June 7, 1906 (J. M. Aldrich).

This species closely resembles *præusta* Loew, but that species has the legs entirely yellow, and two instead of three pairs of dorsal bristles on hind tibia.

***Megophthalma americana* Malloch, new species**

Male and female. Tawny yellow, shining. Frons with white dusting which is most distinct when seen from behind; third antennal segment brown except at base below; arista brown; palpi and proboscis yellow. Thorax entirely yellow; abdomen concolorous, each tergite with a narrow black hind border, sometimes the dorsum suffused with brownish color. Legs yellow. Wings hyaline. Calyptæ and halteres yellow. Hairs and bristles on body blackish.

Head as in *pallida* Zetterstedt, third antennal segment broadened apically, arista with sparse long hairs; palpi normal. Thorax as in *pallida*, scutellum with two long strong bristles about middle. Processes of fifth sternite but little longer than broad, broadly rounded at apices,

with a few hair-like bristles. Fore femur with a bristle at middle on anterior surface and one at apex on postero-ventral, the ventral surface with fine short hairs; hind femur with one long fine hair at base on ventral surface and a few widely spaced similar hairs on ventral surfaces which are much longer than the other hairs; hind tibia with three anterodorsal and three posterodorsal bristles; apical ventral bristle on hind tibia stout and slightly curved. First vein bristled on apical half; outer cross-vein at about half its own length from apex of fifth.

Length, 5-5.5 mm.

Type, male, No. 1584, Hood River, Oregon, June 21, 1917 (F. R. Cole), Allotype, female, No. 1585, Bovil, Idaho, July 15, 1910 (J. M. Aldrich). Paratypes, one male, Keyport, Washington, August 7, 1905 (J. M. Aldrich); one female, Delaware Water Gap, Pennsylvania (C. W. Johnson).

The genotype, *pallida* Zetterstedt, differs from this species in having the dorsum of thorax with four confluent blackish vittæ, and the postnotum blackish. The entire series of four specimens of *americana* differs in having the thorax entirely yellow and can hardly belong to a variety of *pallida*.

The only other northern species of the genus, *unilineata* Zetterstedt, has been recorded from Alaska. I have not seen it, but it has four scutellar bristles, and the apex of first vein bare, besides differing in other characters.

STUDIES IN THE MELYRIDÆ (Coleoptera)

III.

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With the exception of the *Listrus* collected by Mr. Fox, the species described below have been non-descriptors in our collections for many years. It is quite amazing the way new species of Melyrids are being discovered. The automobile is in part the cause of this, as collectors can now go to the outlying districts, which were too far away or inaccessible before the completion of the highways. The author has at hand fully a half as many more unnamed species as have been described.

The following descriptions of new species and of one new genus are submitted at the present time.

Pristoscelis vandykei Blaisdell, new species

Form dissimilar in the sexes. Color black; antennæ rufous, distal joints rufo- or nigro-piceous; mouth-parts rufo-piceous and the legs rufo-testaceous; elytra more or less tinged with rufous at apex; abdomen more or less rufous in the female.

Pubescence evenly distributed, moderately dense but not entirely hiding the surface, conspicuous, cinereous in color; uniform and mod-